

Title (en)

SILICONE SURFACTANTS FOR EMULSION ASSAYS

Title (de)

SILIKONTENSIDE FÜR EMULSIONSASSAYS

Title (fr)

AGENTS TENSIOACTIFS EN SILICONE DESTINÉS À DES DOSAGES D'ÉMULSION

Publication

**EP 2970668 A4 20160810 (EN)**

Application

**EP 14762805 A 20140317**

Priority

- US 201361789676 P 20130315
- US 2014030374 W 20140317

Abstract (en)

[origin: US2014272995A1] System, including methods and compositions, for making and using emulsions that include a silicone oil and a silicone surfactant. The emulsions may include aqueous droplets disposed in a continuous phase that includes a silicone oil and a silicone surfactant. The aqueous droplets may contain an analyte, optionally at partial occupancy, and/or a luminescent (e.g., photoluminescent) reporter. An assay of the analyte may be performed with the droplets. In some cases, signals may be detected from the droplets, and a characteristic of the analyte, such as an analyte level or activity, may be determined based on the signals.

IPC 8 full level

**C08G 77/46** (2006.01); **C08G 77/50** (2006.01); **C08L 83/12** (2006.01); **C08L 83/14** (2006.01); **C09K 23/54** (2022.01); **G01N 33/50** (2006.01)

CPC (source: EP US)

**C07F 7/1804** (2013.01 - US); **C08G 77/46** (2013.01 - EP US); **C08G 77/50** (2013.01 - EP US); **C08L 83/12** (2013.01 - EP US); **C08L 83/14** (2013.01 - EP US); **C09K 23/54** (2022.01 - US); **C12Q 1/686** (2013.01 - US); **G01N 33/5436** (2013.01 - EP US); **C08G 77/70** (2013.01 - US)

Citation (search report)

- [XAY] US 6576623 B1 20030610 - NAKANISHI TETSUO [JP], et al
- [XA] US 5041468 A 19910820 - BUDNIK RICHARD A [US], et al
- [XAY] US 2012027704 A1 20120202 - HENNING FRAUKE [DE], et al
- [XAY] US 2005002976 A1 20050106 - WU JIANXIN [JP]
- [Y] US 2008004436 A1 20080103 - TAWFIK DAN [IL], et al
- See references of WO 2014145582A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**US 201414216006 A 20140317**; EP 14762805 A 20140317; US 2014030374 W 20140317; US 201715697313 A 20170906; US 201816215509 A 20181210